

SETU:

(NY-4199)

Development of Automation in the Czechoslovak
Electric Power System, by Jan Rada, 6 pp.
FOR OFFICIAL USE ONLY

ČESKOSL. VER. AUTOMATIZACE, Vol III, No 4, 1960,
Prague, pp 97, 98.

JPRS 5414

EEur - Czechoslovakia
Econ - Fuels & Power (automation)
Sep 60

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125,319

61-18776

Dudas, Boris and Bassy, Ervin.
TRANSDUCER REGULATOR OF TEMPERATURE FOR
PRODUCTION OF GLASS FIBERS. [1961] 9p. (4 figs.
omitted).
Order from SIA \$1.10 61-18776

I. Dudas, B.
II. Bassy, E.

Trans. of Automatizace (Czechoslovakia) 1960, v. 3,
no. 4, p. 117-119.

DESCRIPTOR: *Glass textiles, Production, Trans-
ducers, Thermostats, Temperature control, Synthetic
fibers.

A new magnetic regulator is described that can control
the temperature of furnaces of 4.5 to 20 kw with the
possibility of setting the regulated temperature between
20° and 1400° C with a tolerance of about 0.5%.

(Materials--Ceramics, TT, v. 7, no. 9)

Office of Technical Services

61-18775

Duben, Lubomir.
AUTOMATION IN DETECTION OF DEFECTS. [1961]
7p. (10 figs. omitted).
Order: from SLA \$1.10

61-18775

Transl. of Automatizace (Czechoslovakia) 1960, v. 3,
no. 4, p. 120-122.

DESCRIPTOR: *Automation, *Non-destructive testing,
Detection, Quality control, Manufacturing methods,
*Control systems, Economics, *Steel industry,
*Electromagnetism, *Inductance, X-rays,
Microstructure.

I. Duben, L.

(Machinery--Manufacturing, TT, v. 7, no. 5)

Office of Technical Services

(DC-4476)

Experimental Installation of a JH Regulator in a
Sugar Factory in Pohranaky Ruzkov, by Vladislav
Gajda, 7 pp. FOR OFFICIAL USE ONLY

CZECH, per, Automatismos, Vol III, No 6, 1960,
pp 181-183.

JPRS 6325

EEur - Czechoslovakia
Econ
Dec 60

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134,352

(DC-4852)

Automation in the Czechoslovak Third Five-Year Plan,
by Zdenek Drab, 6 pp. OFFICIAL USE ONLY

CZECH, per, Automatizace, No 10, 1960, pp 289-291.

JPRS 6738

EEur - Czechoslovakia

CONFIDENTIAL

Recon

Feb 61

141,122

(DC-4852)

Automation Equipment Shown at Brno Fair, 7 pp.
OFFICIAL USE ONLY

CZECH, per, Automatizace, No 10, 1960, pp 305-309.

JPRS 6738

HEUR - Czechoslovakia

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Feb 61

141, 123

(10-5960)

Basic Materials for the Manufacture of Precision
Resistances, by Josef Raska 5 pp. OFFICIAL USE
ONLY

CZECH, per, Automatizace, Vol III, No 11, 1960,
pp 327-329.

JPRS 11505

KEB - Czechoslovakia
Room
Jan 62

180,202

(Dec 61)

Survey of Computers, by Jan Sedlak,
Zdenek Sedmidubsky, 4 pp. *OFFICIAL USE ONLY*

Czech, 8 per, Automatizace, Vol IV,
No 3, 1961, p 92.

JPRS 11236

EEur - Czechoslovakia
Econ
Dec 61

176,930

(DC-5965/1)

Automation Development and Prospects in the Power
Engineering Field, by Jan Rada, 8 pp. OFFICIAL
USE ONLY

CZECH, par, Automatizace, Vol IV, No 4, 1961,
pp 97-99.

JPRS 8794

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EDur - Czechoslovakia

Boon

166,824

(DC-5963)

Economy of Metals -- An Important Economic Factor,
by J. Hrzniok, 4 pp. OFFICIAL USE ONLY

CZECH, per, Automatizace, Vol. IV, No 8, 1961,
pp 221-222.

JPRS 12329

Inter - Czechoslovakia
Room
Feb 62

184,501

(DC-5965)

Complex Automation of Primary Metallurgical
Production (Part II), by Vilen Friedrich, 4 pp.
OFFICIAL USE ONLY

OSMEL, per, Automatizatsiya, Vol IV, No 8, 1962,
pp 231-232.

JPRS 12319

Reur - Czechoslovakia
Reur
Feb 62

184,507

(DC-5965)

Infrared Analyzer of Gases and Vapors, by
Jankis, Zdzienicki, Poliak, 7 pp. OFFICIAL USE
ONLY

ORDER, Rep. Automation, Vol. IV, No 9, 1961,
pp 277-279.

JPRS 12589

Index - Czechoslovakia
Econ
Pub 62

184.508

Czechoslovak Tunnel Diodes, by
Jaroslav Karlovsky, 5 pp. (OFFICIAL
USE ONLY)

CZECH, per, Automations, No 10,
1961, pp 292-293.

JPRS 12170

180.771

Sol - Electron

Jan 62

(SF-1855)

Automation and Economy of Welding With
Carbon Dioxide in the Czechoslovak
National Economy, by Karel Kulaja, 8 pp.

CZECH, per, Automatizace, Vol IV ,
No 12, pp 36--362, 1961.

JPRS 1346

191,351

Editor - Czech
Book
Apr 62

Pneulog - New System of Pneumatic Logical
Control, by Milan Balda, 8 pp.
CZECH, per, Vol V, No 3, 1962, pp 58-60. 9695067
FTII-TT-64-507 *Pattern Theory*

Sci + Biol & Med Sci
Nov 64

268,349

(DC-5,65)

SPECIFICATIONS OF DIANA COMPUTERS, BY
JAN SEDLAK, ZD. SEDMIDUBSKY, 4 PP. GOVERNMENT
USE ONLY

CZECH, PER, AUTOMATIZACE, NO 5, 1962,
PP 144, 145.

JPRS 14097

EEUR - CZECH
ECON
SCI - ELECTRONICS
JUN 62

199,171

(NY-2400)

SPECIFICATIONS OF THE AP3M AND AP4 COMPUTERS,
BY JAN SEDLAK, ZD. SEDMIDUBSKY, 4 PP.

GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, VOL V, NO 7, 1962,
PP 199, 200.

JPRS 14802

SCI - ELECTRON
AUG 62

206,360

ELECTROLUMINESCENT NUMBER ~~XX~~ AND LETTER
INDICATORS, BY EVA BENOVA, 5 PP.
GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, VOL V, NO 8,
1962, PP 219-220.

JPRS 17434

SCI - ELECTRONICS

FEB 63

221,272

S-12/62

Characteristic Values of Computers, by Zd. Sedmidubsky,
Jan Sedlak, et al, 4 pp (NY-7411). GOVERNMENT
USE ONLY

CZECH, per, Automatizace, Vol V, No 8, 1962,
p 229.

KJPRS 17434

Sci - Electron
9 Jan 63

MECHANICAL READING, BY PETR SCHNAL, 7 PP.
GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, VOL V, NO 11, 1962,
PP 305-307.

JPRS GUO: 026

SCI - MISC

APR 63

227,404

DEVELOPMENT OF WELDING EQUIPMENT, 11 PP.
GOVERNMENT USE ONLY

W CZECH, PER, AUTOMATIZACE, NO 11, NOV 1962,
PP 313-315.

JPRS 17058

EEUR - CZECH
ECON
SCI - ENGR
JAN 63

219,122

IMPORTANCE OF AUTOMATIC COMPUTERS IN THE
ECONOMY, 5 PP. GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, NO 11, NOV 1962,
PP 320-321.

JPRS 17058

EEUR - CZECH
ECON
SCI - ENGR
JAN 63

219,123

DEVELOPEMENT OF MEASUREMENT AND CONTROL
CENTERS FOR INDUSTRIAL USE, BY JOSEF CHALOUPKA,
15 PP.
GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, NO 12,
1962, PP 332-338,.

JPRS 17538

EEUR - CZECH
ECON ,
FEB 63

FTD-TT-63-763 (9689797)

222,309

RADIOISOTOPE EQUIPMENT FOR MEASUREMENT AND CONTROL
IN INDUSTRY, 8 PP. GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, JAN 1963, PP 16, 17.

JPRS GUO: 056

EEUR - CZECH
ECON
APR 63

227,392

CGS-1/63

Direct-Current Reversible Magnetic Amplifier,
by Stanislav Rool. DC-3639 *12 pp. For official
use only.*
CZECH, per, Automatizace, Vol VI, No 2, 1963,
pp 44-47.

J
*JPRS/Special

Sci - Electron
Jun 63

MECHANIZATION AND AUTOMATION OF INDUSTRIAL
PRODUCTION IN CZECHOSLOVAKIA IN 1964-1970, BY
JAROSLAV BRYNDA, 6 PP. GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, VOL VI, NO 5, 1963,
PP 109-110.

JPRS GUK: 143

EUR -- CZECHOSLOVAKIA
ECON,
JUL 63

237,590

DESCRIPTION OF ELECTRONIC ANALOG COMPUTER, BY
I. PLENDER, JAN SEDLAK, 6 PP. GOVERNMENT USE ONLY

CZECH, PER, AUTOMATIZACE, VOL VI, NO 5, 1963,
PP 124-125.

JPRS GUO: 143

EEUR - CZECHOSLOVAKIA

ECON
JUL 63

237,591

Characteristic Values of a Computer, by J. Sedlak.
CZECH, per, Automatizace, vol.6, no.7, 1963,
pp. 177.
NTC 70-~~17133~~-17133-09B

June 1971

CONFERENCES AND MEETINGS ON AUTOMATION, BY BOHUSLAV
SILHAN, ZDENEK SEDMIDUBSKY, 8 PP. GOVERNMENT USE ONLY
CZECH, PER, AUTOMATIZACE, JUNE 1963, PP 152-153.

GUO 175

EE-CZECHOSLOVAKIA
ECON
SEP 63

343,710

Special Analog Computers, by Bohumil Mirtes, 5 pp.
CZECH, per, Automatizace, Vol VI, No 10, 1963,
pp 256-258.
ACSI 1-5219
ID 2204027964

Sci - M & D Proc
Dec 64

269,267

Phononics - New Field of Automation,
by W. Maltus. 16 pp.
CZECH, per, Automatizace, Vol 7, No 5,
1964, pp 127-132. 9700167
FTD-TT-65-1215

Sci/Engt
May 66

299,486

Analog Computers - Present State and Future Outlook
From the Technical and Economic Points of View,
by L. Prouza.
CZBCH, per, Automatizace, No 7, 1964, pp 173-175.
ACSI I-5757-A
ID 2204046464

Sci - Electron
Nov 64

269,013

Characteristics of Computers, by Valentin Chamrad,
Jan Sedlak, et al.
CZECH, per, Automatizace, No 7, 1964, p 188.
ACSI I-5747-B
ID 2204046464

Sci - Electron
Nov 64

269,014

Automatic Computers in USSR, and Characteristics
Data of Computers.
CZECH, per, Automatizace, No 11, 1964,
pp 281-283; 302-305.
PACSI 1-7256
ID 2204018465

Sci - Elec
Jun 65

Magnetometers with Transducer Mag-
netic Converter, by J. Kulikowski,
M. Nalecz, 8 pp.
POLISH, por, Automatyka, No. 10/11,
1963, 9697551
FTD-TT-64-1385

Sci-Phys
Aug 65

287,033

Magnetic Field Intensity Metering
Device Operating on the Principle of
the Hall Effect, by A. Szulce, 9 pp.
POLISH, per, Automatyka, No. 10/11,
1963, 0697551
FTD-TT-64-1385

Sci-Phys
Aug 65

287,884

Magnetometer with Halotron for Measuring Small Magnetic Fields, by H. Aicmpeki, 5 pp. 9697551
POLISH, per, Automatyka, No 10/11, 1965, 9697551
FTD-IT-64-1385

Sci-Phys
Aug 65

287,035

The Organization of a System of "Information
Retrieval", by S. Valsesia.
ITALIAN, per, Automazione e Strumentazione, Vol 10,
No 5, 1962, pp 207-214.
NTC-71-12699-05B

Nov 71

Critical Discussion of Test Method for
Welded Seams, (Continuation), by H. Kemper, 10 p.

GERMAN, per, Auto Metallbearbeitung, 1930,
Vol XLIII, No 14, pp 218-226.

SLA 60-10203

Sol
Apr 60
Vol XII, No 3

112,060

Corrosion Tests on Welded Joints, by Hunsicker,
25 pp.

GERMAN, per, ~~Antenna Metallurgische~~ Vol XXXI,
No 5, 1938, pp 67-71; No 6, pp 69-71.

SLA 60-10761

Sol.
Jan 60
Vol. IX, No 5

119,120

order from NTC

MUTOWINE METALLURGICALS
1939 W32 N24 P345-332
1941 W36 N5 P51-83

70-23019 (C)
70-2301A (C)

added from NTC

AUTOMATICALLY

1963 V6 N18 P256-258

70-11609-098 (0)

Armored Car AML 245, 4 pp.

FRENCH, pamphlet, Automitrailleuse Legere AML 245,
Incl 1 to R-805-60, Nov 1960.

ACSI 81-8938
ID 2157764

WH - France
MIL
Aug 61

162,917

Concerning the Distortion of Front-wheel
Shimmying Through Road Unevennesses, by B.
Bauerstein, 25 pp.

GERMAN, per, ATZ Automobiltechnische Zeit-
schrift, Vol LXI, X No 10, 1959.

SLA 60-14067

Sci
Sep 61

169,360

Notes About the Chinese Automobile Industry, 3 pp.
(ID 2114951)

HUNGARIAN, per, Auto Motor, Vol XII, No 3, p 7.

ACBI, E-4040

FE - China

Econ - Industry

Aug 59

94,781

Newer Members of the Csepel "Auto Family,"
3 pp.

HUNGARIAN, par, Auto Motor, No 2, 1958, p 5.

ACBI, E-2380

Refer - Hungary

Recon
Nov 58

76,423

ZIL Diesel Engine, 8 1 pp.

HUNGARIAN, per, Auto Motor, No 4, Mar 1958, p 9.

ACSI, H-217;8

EDur -

Jan 59

A. The Sleeping Giant, Part II (The PGB Lublin),
by M. Tabin; B. Our Achievements, 8 pp.

FDRI 108946-4
POLISH, per, Auto Motor, Jul 1978, pp 3-5.

ACSI, E-1851

Editor - Poland

Don

Apr 79

85,588

Milk Truck (Milk-Carrier Tank Truck), 2 pp.
FD-2104351
HUNGARIAN, per, Auto Motor, 1 Jul 1958, p 5.

ACSI, E-2691

Feb 59

Cars From China, by Gyorgy Erdelyi, 2 pp.

IC 2104350

HUNGARIAN, per, Auto Motor, 1 Oct 1958, p 9.

ACSI, H-2690

Feb 59

Visit at the Vazovska Automobile Factory, by
Andre Rades, 3 pp. ID 2108-270

KIRMANIAN, per, Auto Motor, 1 Dec 1958, p 7.

ACXI, E-3400

KHler - Hungarian

Reun

Apr 59

85,592

Soviet Automobile use of the Interstate; Motor
Vehicles From Moscow; Automobile Notes, 3 19.

KHURBANIAN, per, Auto Motor, 1 Jan 1959, pp 11, 15,
16. ID # 13215

ACSI, L-3499

USSR, Moscow

Notes

Apr 59

85,583

Test of Motor Vehicles; A-80 Truck With Large Load
Capacity, 7 pp. *ID 2103376*

POLINE, par, Auto-Motor-Sport, 18 May 1958, pp
23, 24.

ACSI, E-2212

Editor - Poland

Re: [unclear]

Jan 79

79,108

Fuels Cells -- a New Type of Electrochemical
Cell,

CZECH, per, Automobil, pp 125-127.

ERDL, Ft Belvoir
T-1136

Sci
Jun 61

158,022

February 1948 - A Milestone on the Road to
Socialism, the Accomplishments of the Czech
Automotive Industry in the Years 1948-1958, by
A. Rieger, 6 pp.

CZECH, par, Automobil, No 2, Feb 1958, pp 33, 34.

ACSI, H-1388

Klar - Czech

Room, Pol

Jul 58

67,123

A. Soviet Utility Vehicles; B. Sprinkling
Vehicles - Skoda Rth; C. Motor Vehicles in the
Antarctic; D. Heavy Dump Truck - MAZ 530, 8 pp.

Handwritten: ~~Handwritten~~
CITECH, per, Automobil, No 6, 1958, pp 206, 209-213.

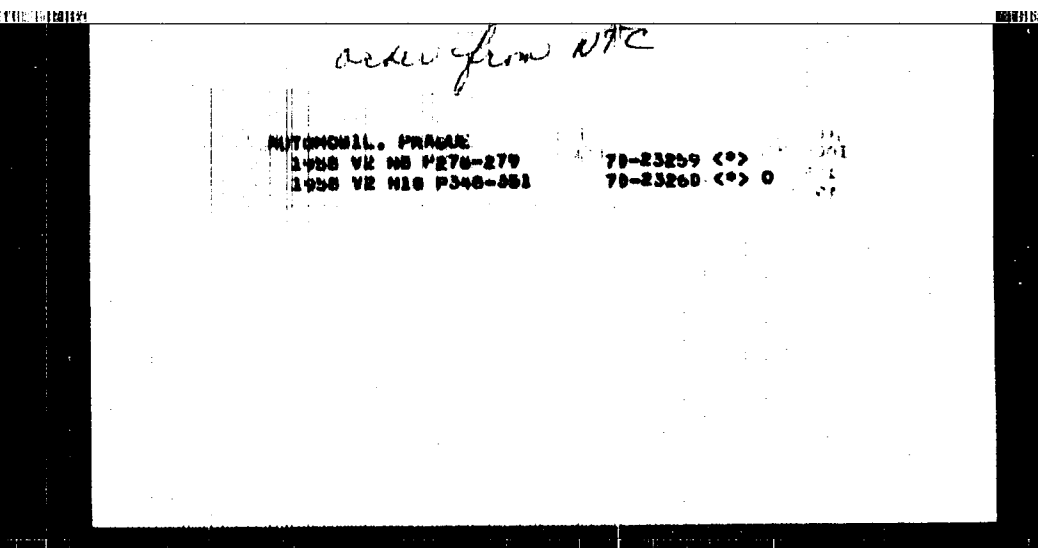
ACSI, E-2713

USSR

From

Feb 59

Handwritten: 81,525



Special Fire Engines, by J. Stranik, 3 pp.

CZECH, par, Automobil, No 11, 1958.

ACBI H-9317
ID 2170461

Star-Czech

Icon

Jun 61

154, 711

Multifuel Engines, 8 pp. UNCLASSIFIED

CZECH, per, Automobil, No 12, 1958, pp 406,
407.

ACSI H-6402
ID 2145073

Sci - Engr
Jul 60

119,740

Mobile Service Station, by A. Hasek, 7 pp.

CZECH, par, Automobil, No 6, 1959, pp 197-201.

MSI B-9318
ID 2170462

Klar-Czech

Room

Jan 61

154,705

DISPATCHED TO: [illegible]

CHIEF, [illegible], [illegible]
17 05-00.

BRUL, [illegible]
T-1025

Sci - Phys
Nov 61

174, 456

(DC-5965/1)

The Tasks of the Automobile Industry During
Third Five-Year Plan, by Karel Palacek, 3 pp.
OFFICIAL USE ONLY
CZECH, per, Automobil, Vol V, No 1, 1961, pp 1, 2.

JPRS 8794

EDAT - Czechoslovakia

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Econ

Sep 61

166,823

Starting Vehicle Engines at Low Ambient Temper-
atures, by J. Zelenka, V. Dvorak, 12 pp.

CZECH, per, Automobil, No 2, 1962, pp 34-39.

ACSI I-3060
ID 2211693

Sci - Engr, ~~XXXXXXXX~~
Jan 63

220,051

Modern Methods of Determining the Fatigue
Resistance of Motor Vehicle Components, by
M. Hanke. 13 pp.

CZECH, per, Automobil, No 2, 1962, pp 43-48.

ACSI I 3060
ID 2211693

Sci - Electron
Jan 63

220,052

Pörster, Hans Joachim.
FÖRTINGER CONVERTERS AND COUPLINGS FOR
MOTOR VEHICLES (Förtinger-Wandler und -Kupp-
lungen für Kraftfahrzeuge). [1961] [106 p. 53 refs.
Order from SLA \$9.10 61-20040

Trans. of Automobil Industrie (West Germany) 1960,
v. 8, Apr. p. 53-83.

DESCRIPTORS: *Vehicles, *Passenger vehicles, In-
ternal combustion engines, *Transmissions, Trans-
mission gears, *Motor generators, *Couplings, Trans-
portation, *Automatic transmissions, Design, Tests.

A survey.

~(Machinery--Engines, TT, v. 7, no. 4)

61-20040

1. Title: Förtinger drive
2. Title: Förtinger gear
1. Pörster, H. J.

Office of Technical Services

62-20302

Spira, Joh. Chr.
THE GLASS WAR IN GERMANY (Der Glaskrieg in
Deutschland). [1962] [9]p. (foreign text included).
Order from SLA \$1.10 62-20302

Trans. of Automobil-Revue (Switzerland) 1962, v. 57,
no. 32, p. 19 and 23.

DESCRIPTORS: *Glass, Germany, Automotive industry,
Safety, *Laminated glass, Windshields.

(Materials--Ceramics, TT, v. 9, no. 9)

I. Spira, J. C.

Office of Technical Services

THE ENGINE WITH A ROTARY PISTON ITS HIS-
TORY, ITS CHARACTERISTICS, ITS FUNDAMEN-
TALS. (1963) 14p. (figs. omitted).
Order from SLA \$1.60

63-18006

Trans. of Automobile (France) 1962, no. 198, p. 73-81.

DESCRIPTORS: *Internal combustion engines, *Pistons,
Rotation, Industrial research.

(Machinery--Engines, TT, v. 10, no. 9)

63-18006

Office of Technical Services

Quality Control in the Automobile Industry,
by Frantisek Zalud, 6 pp.
CIEG1, par. Automobil, Vol VIII, No 1, 1964,
pp 2-4.
ACSI J-0666
ID 2204045466

~~S1c-Behavior and Social Sciences~~
Oct 66

312,152

Time Study and Piece-Work Rate Fixing in Spray
Application of Nitro-Cellulose Lacquers, by
W. Muller-Putzech, 4 p.

GERMAN, per, ATZ Automobiltechnische Zeit, 1930,
Vol XXXIII, No 29, pp 705-707.

SLA 59-20417

Sci
Mar 60
Vol 2, No 12

109,217

add from 10/2

AUTOMOBILTECHNISCHE ZEITSCHRIFT
1937 V40 N2 P29-33 70-22846 (*)

1941 V40 P247-258	70-113398 (*)
1941 V44 P272-279	70-113398 (*)
1942 V45 N3 P57-61	70-112847 (*)
1942 V45 N12 P321-325	70-112817 (*)
1947 V59 N4 P46-108	70-10251-13F (*)
1947 V64 N3 P40-48	70-10486-13F (*)
1947 V66 N4 P101-107	70-10483-13F (*)
1947 V66 N8 P222-225	70-10487-13F (*)
1947 V66 N8 P225-228	70-10248-13F (*)

Appel, Waldemar.
Raising the Fatigue Strength of Automobile
Crankshafts by Swaging the Surfaces at
the Edges of the Bore. [1943] 7p. 6 refs.
Available on loan from SLA TT-63-20078

Trans. of ATZ: Automobiltechnische Zeitschrift
(Germany) 1937 [v. 40, no. 19] p. 473-475.

DESCRIPTORS: *Crankshafts, Steel, Material forming,
*Fatigue (Mechanical), Surfaces, Boreholes.

TT-63-20078

I. Appel, W.

Office of Technical Services

(Machinery--Machine Parts, TT, v. 11, no. 1)

Lichtenberger, F. and Seeber, F.
CONTRIBUTION TO THE QUESTION OF KNOCK
MEASUREMENT [1962] 8p. (figs. omitted) 31 refs.
Order from SLA \$1.10 63-10452

Trans. of ATZ Automobiltechnische Zeitschrift
(Germany) 1938 [v. 41] no. 14, p. 372-374.

DESCRIPTORS: *Internal combustion engine noise,
*Knocking, *Fuels, Combustion, Measurement.

(Machinery--Engines, TT, v. 9, no. 12)

63-10452

I. Lichtenberger, F.
II. Seeber, F.

Office of Technical Services

Berg, Heinz H.
DETONATION VALUE OR DETONATION LIMITS OF
ENGINE AND FUEL. [1962] 7p. 3 refs.
Order from SLA \$1.10

63-10479

Trans. of [ATZ] Automobiltechnische Zeitschrift
(Germany) 1939, v. 42, no. 2, p. 41-44.

DESCRIPTORS: *Internal combustion engines, *Fuels,
Knocking, Antiknock, Exhaust valves, Sodium, Cooling,
Passenger vehicles.

Evaluation of fuels for automobiles has previously been
made by the octane number. For better comparisons
with other fuels, the determination of knocking limits
or of knocking limit curves, especially in relation to
excess air figures, appears to be of advantage. The
characteristics and knocking behavior of automobile
engines also can not be characterized by a single
(Machinery--Engines, TT, v. 10, no. 2) (over)

63-10479

1. Berg, H. H.

Office of Technical Services

Screw Threads and Screw Thread Measurement in
Automobile and Aeroplane Manufacture, by Hahn, Otto,
8 p.

GERMAN, per, ATE Automobiltechnische Zeitschrift,
1939, Vol XLII, No 5, pp 151-153.

SLA 59-20418

Sci
Mar 60
Vol 2, No 12

109,181

63-14278

Ernst, H.
CONCERNING THE TESTING OF DIESEL FUELS.
[1963] [23]p. (3 figs. omitted) 15 refs.
Order from SLA \$2.60 63-14278

Trans. of [ATZ] Automobiltechnische Zeitschrift
(Germany) 1969, v. 42, no. 8, p. 213-221.

DESCRIPTORS: *Fuel oil, Diesel engines, Test
methods, Combustion, Ignition lag, Antiknock.

The basic considerations governing a choice of possible
test methods for diesel fuels are discussed. In evalu-
ating the fuels by engine tests, the processes with
variable compression and with variable ignition lag
were used.

(Materials--Fuels, TT, v. 10, no. 7)

I. Ernst, H.

Office of Technical Services

Schlitz, R.
MEASUREMENT OF KNOCK RESISTANCE IN OTTO
ENGINES. 29 May 43, 13p. (figs. omitted).
Order from SLA \$1.60 63-10461

Trans. of [ATZ] Automobiltechnische Zeitschrift
(Germany) 1939, v. 42, no. 13, p. 364-370.

DESCRIPTORS: *Internal combustion engine noise,
*Knocking, *Fuels, Combustion, Measurement,
Errors, Antiknock.

(Machinery--Engines, TT, v. 9, no. 12)

63-10461

1. Schlitz, R.

Office of Technical Services

The Effect of Windforces on the Directional
Stability of Motor Vehicles, by E. Sawatzki,
38 pp.

GERMAN, pr, Automobiltech Z., No 19, 10 Oct
1939, .

SIA Tr 57-1941

Sci - Mech Engr

Jul 58

67,908

TT-63-20542

I. Geiger, J.

Geiger, Jos.
DETERMINATION OF THE STRESSING IN CRITICAL
TORSIONAL SPEEDS OF CRANKSHAFTS, TAKING
THE DAMPING INTO ACCOUNT (Bestimmung der Bean-
spruchung in Kritischen Torsionsdrehzahlen von
Kurbelwellen mit Berücksichtigung der Dämpfung).
[1963] 5p 1ref
Order from SLA \$1.10 TT-63-20542

Trans. of ATZ [Automobiltechnische Zeitschrift]
(Germany) 1940 (43, no. 16) p. 403-406. (Abstract
available.)

DESCRIPTORS: *Crankshafts, Damping, Torque,
*Stresses, Mathematical analysis, Vibration, Internal
combustion engines

Magnitude of the deflection in critical torsional vibra-
tions. Vector addition of the exciting forces. Composi-
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PT. 5. MIXTURE FORMATION AND COMBUSTION
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Order from SLA \$1.10 63-16162

Trans. of [ATZ] Automobiltechnische Zeitschrift
(Germany) 1943, v. 48, p. 36-39.

DESCRIPTORS: *Diesel engines, Combustion chamber
gases.. *Combustion, Ignition, Ignition Lag, Gas flow,
Fuel Injection, Mixtures, Test equipment.

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II. Title: Mixture...

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(33 Automobil-Salon in Paris 1946). [1961] [10]p.
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Order from SLA \$1.10 62-10316

Trans. of ATZ (Automobiltechnische Zeitschrift)
(Germany) 1947, v. 49, no. 2, p. 17-18.

DESCRIPTORS: Automotive industry, *Vehicles,
*Passenger vehicles, Economics.

The American automobile industry was primarily represented as exhibitors of large luxury cars which far exceeded in length and width of chassis the dimensions of European vehicles. The new chassis with extensively covered wheels and streamlined continuation of the front mudguards over half the vehicle length can be found in all types. These (Machinery--Transport, TT, v. 7, no. 8) (over)

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DESCRIPTORS: *Automotive industry. *Vehicles.
*Passenger vehicles, Germany. Fuel consumption.

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Order from S.L.A \$2.60

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(Germany) 1948 [v. 30] no. 1 [p. 4-9].

DESCRIPTORS: *Automotive industry, *Vehicles,
*Passenger vehicles, *Motorcycles, Production.

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(Machinery--Transport, TT. v. 7, no. 3)

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On the film, "The...
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Order from SLA: \$1.60 as TT-65-11952

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MR 622

Wilke, W. LEADED GASOLINES WITH ADDITIVES. [1964 19p (figs omitted) 2 refs Order from SLA \$1.60 TT-64-14897 Trans. of <u>ATZ: Automobiltechnische Zeitschrift</u> (West Germany) 1954, v. 56, no. 7, p. 169-173. (Materials--Fuels, TT, v. 11, no. 11)	TT-64-14897 I. Wilke, W. Office of Technical Services
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PRESENT STAGE OF DEVELOPMENT AND FUTURE
PROSPECTS. [1962] [16]p.
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Trans. of ATZ [Automobiltechnische Zeitschrift]
(Germany) 1955, v. 57, No. 3, p. 78-83.

DESCRIPTORS: *Passenger vehicles, Vehicles, *Gas
turbines, Power plants, Design, Torque.

In recent years, the development of gas turbine power
plants for automobiles in a number of countries has
become headline news in the automotive world. The
author reports here on present developments in the USA,
in England, and in France. Prospects for automotive
gas turbines are analyzed against the background of
present power plants for passenger and commercial
vehicles. Present experience indicates that gas turbines
are competitive only in the horsepower class of the
largest commercial-vehicle engines.

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Author: Dr. Ing. H. Langbein

Source: Antennentechnische Zeitschrift Vol. 57 #6
June 1975

Language: German

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